

Date: Sat, 5 Jun 93 23:47:36 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #685
To: Info-Hams

Info-Hams Digest Sat, 5 Jun 93 Volume 93 : Issue 685

Today's Topics:

(none)
3B8CF etc.
[rec.radio.amateur reorg] HAVE YOU VOTED YET? 4 DAYS LEFT
ADVICE NEEDED - for wanna be operator
aftermarket DSP filters
Air-band radio question
Alinco DJ-580 question
autoexam fer unix
Daily Solar Geophysical Data Broadcast for 04 June
Daily Solar Geophysical Data Broadcast for 05 June
Foreign language QSO basics
Licensing Date Point
Misdirected 3B6 QSL cards
NBS time signal and receiver for it
Question Pool Change (2 msgs)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: 5 Jun 93 19:07:39 GMT
From: news-mail-gateway@ucsd.edu
Subject: (none)
To: info-hams@ucsd.edu

NEWS.ANNOUNCE.NEWUSERS

Oh yes - that the original poster's call was probably being pirated,
and that 3B6 or 7 is a rare country radiowise...

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu

Date: 6 Jun 93 01:02:25 GMT
From: pacbell.com!amdahl!amdahl!ikluft@network.UCSD.EDU
Subject: [rec.radio.amateur reorg] HAVE YOU VOTED YET? 4 DAYS LEFT
To: info-hams@ucsd.edu

If you intend to vote on the rec.radio.amateur reorg but didn't get around
to it when the 1st and 2nd Calls for Votes (CFV) were posted, there is very
little time left.

VOTING ENDS TUESDAY, JUNE 9, 1993 AT 23:59 UTC.

If you have an opinion (in favor or opposed) on the newsgroups proposed for
creation, you can make your opinion count by voting.

If you do not have a copy of either of the CFVs, send an e-mail to
cfv-request@uts.amdahl.com
and an auto-reply program will send you a copy of the 2nd CFV, as posted by
the moderator of news.announce.newgroups. It will include instructions on
how to send your vote to the vote-taker, Jay Maynard K5ZC.

73 de KD6EUI

--

Ian Klufft KD6EUI PP-ASEL Amdahl Corporation, Open Systems Development
ikluft@uts.amdahl.com Santa Clara, CA
[disclaimer: any opinions expressed are mine only... not those of my employer]

Date: 6 Jun 1993 01:39:24 GMT
From: swrinde!cs.utexas.edu!uwm.edu!csd4.csd.uwm.edu!pachner@network.UCSD.EDU
Subject: ADVICE NEEDED - for wanna be operator
To: info-hams@ucsd.edu

HI

After talking to co-workers and visiting a hamfest, I decided to dive into the
world of ham radio. As soon as I got the bug I went out and purchased some
study guides. I've dived into these books and surfaced with a few questions.

1. I want to get on the air, so the Tech no-code is appealing until I can finish with the code tapes. The problem I foresee is myself getting lazy and saying "screw it" to learning morse. Has anyone done the no-code and then upgraded.

2. Are there any acronyms for remembering frequency privileges.

3. Can you take the 13-wpm as a novice and have it hold until you take the general written.

thanks

Tom Pachner

pachner@csd4.csd.uwm.edu

(e-mail preferred as I don't always have time to view the postings)

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Thomas Jay Pachner -- Music Education Major, and Double Bassist
University of Wisconsin - Milwaukee - pachner@csd4.csd.uwm.edu
Gamer, Trekkie, and appreciator of all music (except rap and country)

Date: Sat, 5 Jun 1993 17:59:47 GMT

From: swrinde!gatech!asuvax!ennews!anasaz!misty!john@network.UCSD.EDU

Subject: aftermarket DSP filters

To: info-hams@ucsd.edu

I am interested in finding out which of the audio DSP filters/processors for receivers are appropriate for me. These are widgets which you put between your receiver (typically HF) and speaker, and they filter out carriers, enhance SSB SNR and possibly supply bandpass. One technique I read about (QEX?) used an adaptive anti-correlation filter which stamped out carriers and improved SSB SNR. This is NOT the same as the fast notchers which detect a carrier and then move a notch over it.

Anyway, what's out there and how and how well does it work? Several are advertised in the Ham Mags but reviews would be nice.

--

John Moore NJ7E, 7525 Clearwater Pkwy, Scottsdale, AZ 85253 (602-951-9326)
john@anasazi.com ncar!noao!asuvax!anasaz!john anasaz!john@asuvax.eas.asu.edu

- - A conservative is a liberal who has been mugged by reality! - -

- - Support ALL of the bill of rights, INCLUDING the 2nd amendment! - -

Date: 6 Jun 93 03:12:11 GMT
From: pacbell.com!amdahl!amdahl!nobody@network.UCSD.EDU
Subject: Air-band radio question
To: info-hams@ucsd.edu

I'm sending you e-mail to make sure this gets to you. I will also post a copy to news.

If you do what you say in your news article, you will violate both FCC and FAA rules.

In rec.radio.amateur.misc you write:

> I assume I will have to get my bags from baggage claim, then
>get from there to a point where I can get to my friend's flying
>Volkswagen.
> No problem I say to myself, I can use use the airband
>walkie-talkie. My friend, who is not a ham, will then be able to
>arrange a rendezvous.

No. Unless you have an aviation-band radio station license, which is usually only associated with an aircraft, air-traffic control facility, or airport service, you will violate the FCC rules for that band when you transmit.

> To save time, I could call him while I am still in the air, so
>he will know when and where I will land. I assume this is OK as I am
>using an air-band radio which should be compatible with the aeroplane
>stuff.

I don't think there is any airline in the world that will let you transmit inside their aircraft. Most U.S. carriers won't even let you turn on a receiver for aviation or ham bands. Without the carrier's and pilot's permission, you would be in violation of the Federal Aviation Regulations. See the rec.radio.amateur.misc FAQ (Part 3) for more info.

Assuming your friend had been a Ham, you would use your ham-band HT. You're properly licensed for that. However, your friend would probably be too busy to talk on the ham band while flying. I've brought along my IC-W2A on flights before but found that I can't tune out the aviation band radio while receiving radar services from air traffic control so I've never had an air-to-ground QSO on the ham bands.

> What frequency should I use for this? I believe there is a
>standard plan to plane chat freq. Will that freq be busy near the
>airport?

There are no ground-to-ground frequencies in the aviation band except between air traffic control or services and a taxiing aircraft or between 2 taxiing

I'm sorry to say it but, unless you start taking flying lessons, you have no way to legally transmit with the aviation-band HT you bought.

Ian Klufft KD6EUI PP-ASEL Amdahl Corporation, Open Systems Development
iklufft@uts.amdahl.com Santa Clara, CA
[disclaimer: any opinions expressed are mine only... not those of my employer]

In rec.radio.amateur.misc, tbodoh@resdgs1.er.usgs.gov (Tom Bodoh) writes:

Hmm. One of Alinco's technical support folks mentioned a mod that reduced sensitivity "a bit" with a supposedly large reduction in intermod/spurious signal susceptibility. (Sorry, don't remember the exact figures anymore.) I wonder if newer radios are being shipped in this state by default.

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>guess I won't know for sure until next time I go into a really heavy RF area
>such as Denver or Minneapolis. Bye...
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Sounds like Alinco has solved some problems. Probably time for me to bite the bullet and send mine back to the factory.

Scott Turner NOVRF scott@hpsla.LVLD.HP.COM
HP VXi Systems Division

Date: 5 Jun 1993 19:19:08 -0500
From: swrinde!cs.utexas.edu!not-for-mail@network.UCSD.EDU
Subject: autoexam fer unix
To: info-hams@ucsd.edu

Awhile back, someone (NM1D hisself?) posted the ftp site address that has the Unix version of Autoexam.zip. I ftp'd the tars and compiled it and ran it. Worked great. Unfortunately, it was in /tmp, so it is now gone.

Could someone repost the ftp site?

Peter Laws
N5UWY / V31WY / VE2???

President,
Amateur Radio Club,
University of Arkansas / W5YM

Peter Laws|GEnie:P.LAWS1|"The '90s are gonna make the '60s|plaws@uafhp.uark.edu
n5uwy@ka5bml.ar.usa.noam| look like the '50s" --D. Hopper|plaws@uafsysb.bitnet

Go!,Habs,Go! Go!,Habs,Go! Go!,Habs,Go! Go!,Habs,Go! Go!,Habs,Go! Go!,Habs,Go!

Date: 5 Jun 93 17:11:15 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 04 June
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 155, 06/04/93
10.7 FLUX=129.9 90-AVG=120 SSN=119 BKI=4466 3434 BAI=037
BGND-XRAY=B4.0 FLU1=1.7E+06 FLU10=1.1E+04 PKI=4466 4455 PAI=048
BOU-DEV=042,041,130,125,008,051,029,058 DEV-AVG=060 NT SWF=00:000
XRAY-MAX= C2.5 @ 0001UT XRAY-MIN= B3.6 @ 0923UT XRAY-AVG= B5.1
NEUTN-MAX= +000% @ 0000UT NEUTN-MIN= +000% @ 0000UT NEUTN-AVG= +0.0%
PCA-MAX= +0.0DB @ 0000UT PCA-MIN= +0.0DB @ 0000UT PCA-AVG= +0.0DB
BOUTF-MAX=55424NT @ 2338UT BOUTF-MIN=55285NT @ 1018UT BOUTF-AVG=55358NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+070,+000,+000
GOES6-MAX=P:+140NT@ 1828UT GOES6-MIN=N:-163NT@ 0407UT G6-AVG=+094,-036,-088
FLUXFCST=STD:130,130,125;SESC:130,130,125 BAI/PAI-FCST=025,020,010/030,020,015
KFCST=4446 5433 4445 4333 27DAY-AP=035,039 27DAY-KP=5455 5344 5654 3345
WARNINGS=*SWF;*GSTRM;*AURMIDWCH

ALERTS=**MINSTRM:BEGIN@1200UTC
!!END-DATA!!

NOTE: The Effective Sunspot Number for 03 JUN 93 was 90.0.
The Full Kp Indices for 03 JUN 93 are: 3- 2- 4o 4o 4o 3o 3o 3-

Date: 6 Jun 93 06:15:19 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 05 June
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 156, 06/05/93
10.7 FLUX=133.8 90-AVG=120 SSN=104 BKI=6555 3343 BAI=037
BGND-XRAY=B4.7 FLU1=3.5E+06 FLU10=1.1E+04 PKI=6655 4343 PAI=039
BOU-DEV=121,093,080,075,038,031,040,021 DEV-AVG=062 NT SWF=00:000
XRAY-MAX= C3.9 @ 0823UT XRAY-MIN= B4.1 @ 0236UT XRAY-AVG= B7.1
NEUTN-MAX= +000% @ 0000UT NEUTN-MIN= +000% @ 0000UT NEUTN-AVG= +0.0%
PCA-MAX= +0.0DB @ 0000UT PCA-MIN= +0.0DB @ 0000UT PCA-AVG= +0.0DB
BOUTF-MAX=55419NT @ 0021UT BOUTF-MIN=55335NT @ 0514UT BOUTF-AVG=55361NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+073,+000,+000
GOES6-MAX=P:+123NT@ 1628UT GOES6-MIN=N:-132NT@ 0022UT G6-AVG=+098,-026,-065
FLUXFCST=STD:135,130,125;SESC:135,130,125 BAI/PAI-FCST=025,010,010/025,015,010
KFCST=4455 4433 3233 3322 27DAY-AP=039,054 27DAY-KP=5654 3345 6766 5234
WARNINGS=*SWF;*GSTRM;*AURMIDWCH
ALERTS=**MINSTRM;**245STRM:0230-0250UTC
!!END-DATA!!

NOTE: The Effective Sunspot Number for 04 JUN 93 was 103.3.
The Full Kp Indices for 04 JUN 93 are: 4o 4+ 6+ 6o 4o 4o 5o 5+

Date: Sat, 05 Jun 93 16:28:30 PDT
From: gbear!andy@uunet.uu.net
Subject: Foreign language QSO basics
To: info-hams@ucsd.edu

I've heard rumour of a book covering basic QSO phrases, etc. in several foreign languages. Can anyone help me track it down?

Thanks.

Andrew McFarland N7VTB
andy@goldenbear.com

Date: Sun, 6 Jun 1993 01:59:08 GMT
From: think.com!enterpoop.mit.edu!news.media.mit.edu!news.media.mit.edu!
monta@ames.arpa
Subject: NBS time signal and receiver for it
To: info-hams@ucsd.edu

parkin@neutron.Eng.Sun.COM (Michael Parkin) writes:

> I would like to build a receiver to pick up the NBS
> time signal and interface the data to a PC. Have there
> been any articles on such a thing in QST, CQ, etc.

NIST's HF signals do include a time code, and Canada's time
signals (CHU, on 3.330, 7.335, 14.670) use 300-bps FSK suitable
for direct decoding by a modem.

Aside from HF, there's WWVB, Loran-C, and GPS, all of which can
provide time at roughly the 50 us, 100 ns, and 10 ns level.

You might want to read comp.protocols.time.ntp, the discussion
group for the Network Time Protocol. Archives and software
can be found on louie.udel.edu in pub/ntp; look especially for
the "CHU preach" by (I think) Nick Sayer, which describes a
CHU-modem interface.

Even with no radio clock directly attached, NTP can synchronize
a machine to the few-millisecond level using network sources
of precise time. Plenty of folks have made their radio clocks
available to the Internet.

Peter Monta monta@image.mit.edu
MIT Advanced Television Research Program

Date: Sat, 5 Jun 1993 21:08:18 GMT
From: csus.edu!csulb.edu!nic.csu.net!eis.CalState.EDU!jherndo@decwrl.dec.com
Subject: Question Pool Change
To: info-hams@ucsd.edu

I heard the question pool was set to be changed at the end of June.
Atleast for elements 2 & 3a. I'm currently studying for an upcoming test,
and was using Gordon West's Tech. Class Preparation book. Are the
questions in this book still valid?

Please send all replies via mail.. if for some reason you can't send mail,
feel free to post it.

```
-----  
-|   John W. Herndon  //  INTERNET: jherndo@eis.calstate.edu   |-  
-|   Long Beach, Ca.  //  Lat: 33.7706 Long: -118.1183 Elev: 0  |-  
-----  
-|  ZERO (adj) - The value of life when the computer goes down.  |-  
-----
```

Date: Sat, 5 Jun 1993 23:46:07 GMT
From: csus.edu!csulb.edu!nic.csu.net!eis.CalState.EDU!jherndo@decwrl.dec.com
Subject: Question Pool Change
To: info-hams@ucsd.edu

Thanks.. I've received many an answer.. thanks!

```
-----  
-|   John W. Herndon  //  INTERNET: jherndo@eis.calstate.edu   |-  
-|   Long Beach, Ca.  //  Lat: 33.7706 Long: -118.1183 Elev: 0  |-  
-----  
-|  ZERO (adj) - The value of life when the computer goes down.  |-  
-----
```

--

Date: Sat, 5 Jun 1993 22:56:12 GMT
From: usc!wupost!csus.edu!netcom.com!joe@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1993May31.154122.12860@en.ecn.purdue.edu>, <tpang.738922581@sfu.ca>,
<1993Jun5.145030.10707@en.ecn.purdue.edu>
Subject : Re: Nickel-hydride batteries

I have two dead rechargeable sealed packs - 12v battery - that was
used in the NEC notebook computer. Tried to get replacement Molice1
batteries but I was told the place closed due to serious lawsuits!

Anyway, no luck in "surgery" in trying to cut open the pack...

Any ideas???

--

Joseph Jesson joe@netcom.com Day (312) 856-3645 Eve (708) 356-6817
21414 W. Honey Lane, Lake Villa, IL, 60046

Date: Sat, 5 Jun 93 14:50:30 GMT
From: sdd.hp.com!news.cs.indiana.edu!noose.ecn.purdue.edu!en.ecn.purdue.edu!
ghg@network.UCSD.EDU
To: info-hams@ucsd.edu

References <tpang.738491357@sfu.ca>, <1993May31.154122.12860@en.ecn.purdue.edu>,
<tpang.738922581@sfu.ca>
Subject : Re: Nickel-hydride batteries

In article <tpang.738922581@sfu.ca> tpang@fraser.sfu.ca (Tsui Ting Debbie Pang)
writes:

>ghg@en.ecn.purdue.edu (George Goble) writes:

>>I hoarded a few of these when they cleared out.. some for \$1 each,
>>list was \$5-\$7 for the 9V. About 1/3 of them are dead right out of the
>>pack... mfg defect?

>

>Not surprisingly for such a new technology product (rather new). BTW,
>what happened to the rechargeable Lithium advertised and reviewed on QST
>a few years ago? There was even a capacitance meter (based on voltage)
>on a Icom compatible case filled with those cells. I have been waiting
>for more of those around, and now NiMH is even out, but that?.....

>I read that it was developed in Canada, may be the company ran out of
>R&D money before anything happened, just guessing, by the way high tech
>industry looks in Canada :(. (out of topic, stop soap box, cut off :).

>

>>--ghg

>

>Oh, yes, I have a keen interest in batteries knowledge, even my chemistry
>background is rather weak. That's why I am keeping this thread.

>

> Regards,

> David

I had some of those also. 4AA cells made by "Moli-Cell", they were in
Vancouver I think (may have been Burnaby?). They were only "usable" in the
center 1/3-1/2 of their charge-discharge cycle. Over charging or under
charging ruined them. Voltage varied widely also. They had an FAA waiver
(for 4AA cells) so they could be taken on commercial flights
if the jumper was removed (breaking the pack in 2 2AA cell pieces).
They also said they would not "explode" if set on fire, or abused,
but would "burn vigorously". The 4 cell pack (12V) had at least two
kinds of fuses on it. I heard a rumor that their factory burned down??

--ghg

End of Info-Hams Digest V93 #685
